GENERAL LEGEND

x 100.00

4 4 T

4*4*4

PROPOSED SETBACK LINES TIDAL WETLANDS LINE STREAM CHANNEL TREE LINE STONEWALL BARBED MRE FENCE STOCKADE FENCE **50IL BOUNDARY** type and and and had the fire the date and and and pro date one had and pro-FASEMENT SILT FENCE DRAINAGE LINE SEWER LINE SEWER FORCE MAIN GAS LINE WATER LINE WATER SERVICE UNDERDRAIN FIRE PROTECTION LINE THRUST BLOCK I BLOCK
IRON PIPE/IRON ROD
DRILL HOLE
IRON ROD/DRILL HOLE
STONE/GRANITE BOUND
SPOT GRADE PAVEMENT SPOT GRADE 100.00

AQUIFER PROTECTION LINE FLOOD PLAIN LINE MAJOR CONTOUR
MINOR CONTOUR
EDGE OF PAYEMENT
VERTICAL GRANITE CURB SLOPE GRANITE CURB CAPE COD BERM POURED CONCRETE CURB OVERHEAD ELECTRIC UNDERGROUND ELECTRIC

WETLAND IMPACT

CURB SPOT GRADE

BENCHMARK (TBM) DOUBLE POST SIGN SINGLE POST SIGN WELL TEST PIT FAILED TEST PIT MONITORING WELL PERC TEST PHOTO LOCATION

LIGHT POLES DRAIN MANHOLE SEWER MANHOLE HYDRANT WATER GATE WATER SHUT OFF REDUCER
SINGLE GRATE CATCH BASIN
DOUBLE GRATE CATCH BASIN DOUBLE GRATE CATCH BASIN
TRANSFORMER
CULVERT W/WINGWALLS
CULVERT W/FILARED END SECTION
CULVERT W/STRAIGHT HEADWALL
STONE CHECK DAM
DRAINAGE FLOW DIRECTION

4K SEPTIC AREA

KXXXXX VEGETATED FILTER STRIP Q\$Q\$Q\$I RIPRAP

FRESHWATER WETLANDS TIDAL WETLANDS

STABILIZED CONSTRUCTION ENTRANCE

CONCRETE GRAVEL cmm)

SNOW STORAGE RETAINING WALL

COMMERCIAL SITE PLAN "WAREHOUSE BUILDING"

TAX MAP 220, LOT 50 7 TOLEND ROAD, BARRINGTON, NH

SHEET INDEX

COVER SHEET

C1 **EXISTING CONDITIONS PLAN**

C2 SITE PLAN

GRADING AND DRAINAGE PLAN

C4 UTILITY PLAN

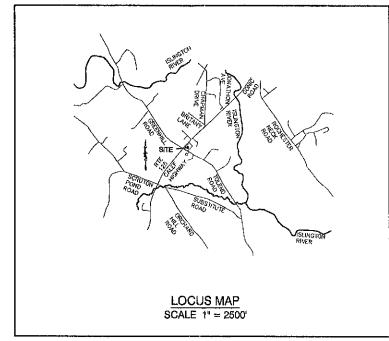
LIGHTING PLAN

DETAIL SHEETS

FLOOR PLAN

ARCHITECTURAL ELEVATIONS

EROSION AND SEDIMENT CONTROL DETAILS



CIVIL ENGINEER / SURVEYOR JONES & BEACH ENGINEERS, INC. 85 PORTSMOUTH AVENUE PO BOX 219 STRATHAM, NH 03885 (603) 772-4746 CONTACT: JOSEPH CORONATI EMAIL: JCORONATI@JONESANDBEACH.COM

WETLAND CONSULTANT GOVE ENVIRONMENTAL SERVICES, INC. 8 CONTINENTAL DR., BUILDING 2, UNIT H EXETER, NH 03833-7526 (603) 778-0644 CONTACT: JAMES GOVE

ELECTRIC

EVERSOURCE 74 OLD DOVER ROAD ROCHESTER, NH 03867 (603) 332-4227

TELEPHONE FAIRPOINT COMMUNICATIONS 100 TRI CITY ROAD SOMERWORTH, NH 03878

ATTN:DAVE KESTNER (603) 743-1114

METROCAST CORPORATION 21 JARVIS AVE. ROCHESTER, NH 03868 (603) 335-4106

NOTES (3.2.10)

PURPOSE OF PLAN; SEE SHEET C2 **TAX MAP 220 LOT 50** AREA OF SUBJECT PARCEL: SEE BELOW ZONING DESIGNATION: SEE SHEET C1 ZONING REQUIREMENTS: SEE SHEET CO EXISTING USE: RECREATIONAL PROPOSED USE: SEE SHEET C2 PARKING REQUIREMENTS: SEE SHEET C2 LOT COVERAGE: SEE SHEET C2 SANITARY SEWER SOURCE: ON-SITE SEPTIC SYSTEM WATER SUPPLY SOURCE: ON-SITE WELL ZONING VARIANCES: NONE FLOODPLAIN INFORMATION: SEE SHEET C1 STATE PERMITS REQUIRED: NONE PLANNING BOARD WAIVERS; NONE REQUESTED

- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS. THE OWNER SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN
- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITEDLE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

ATTN: MEGAN KIRICHENKO 17 DUDLEY ROAD BRENTWOOD, NH 03833

TOTAL LOT AREA

TEB 0.9 2021

LAD USE SETION

Project:

Owner of Record:

APPROVED - BARRINGTON, NH PLANNING BOARD

DATE:

Design: JAC | Draft: DJM | Date: 10/30/20 Checked: JAC | Scale: AS NOTED | Project No.: 20658 Drawing Name: 20656-PLAN-CHANGE-OF-USE.dwg THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.



Ţ 💳			
\$	2/9/21	ISSUED FOR REVIEW	DJM
0	1/20/21	ISSUED CONCEPT TO CLIENT	DJM
REV.	DATE	REVISION	BY

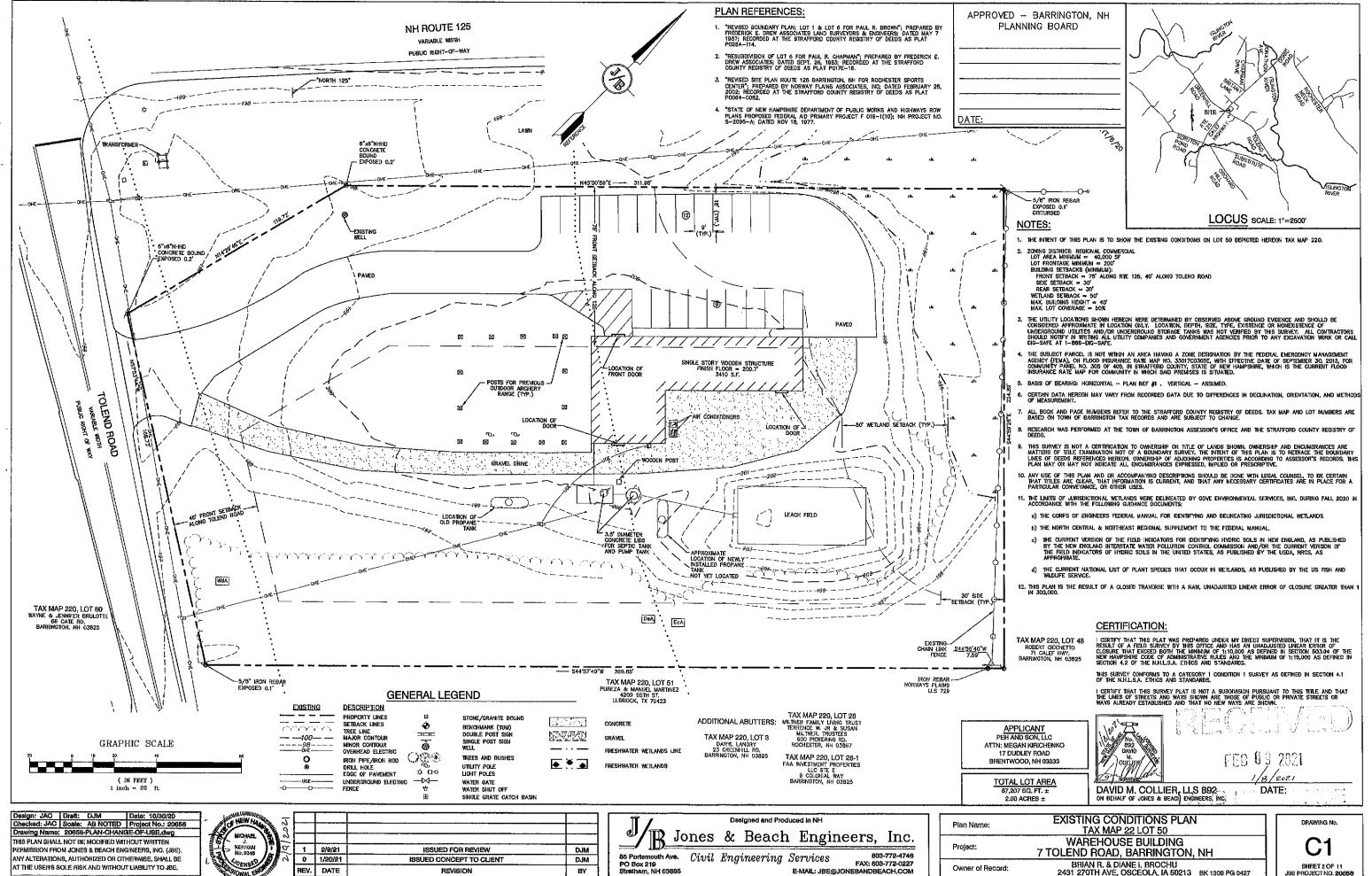
Designed and Produced in NH Jones & Beach Engineers, Inc. 85 Portsmouth Ave. Civil Engineering Services

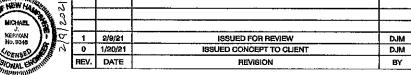
FAX: 803-772-0227 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **COVER SHEET**

WAREHOUSE BUILDING 7 TOLEND ROAD, BARRINGTON, NH BRIAN R. & DIANE I. BROCHU 2431 270TH AVE, OSCEOLA, IA 50213 BK 1309 PG 0427

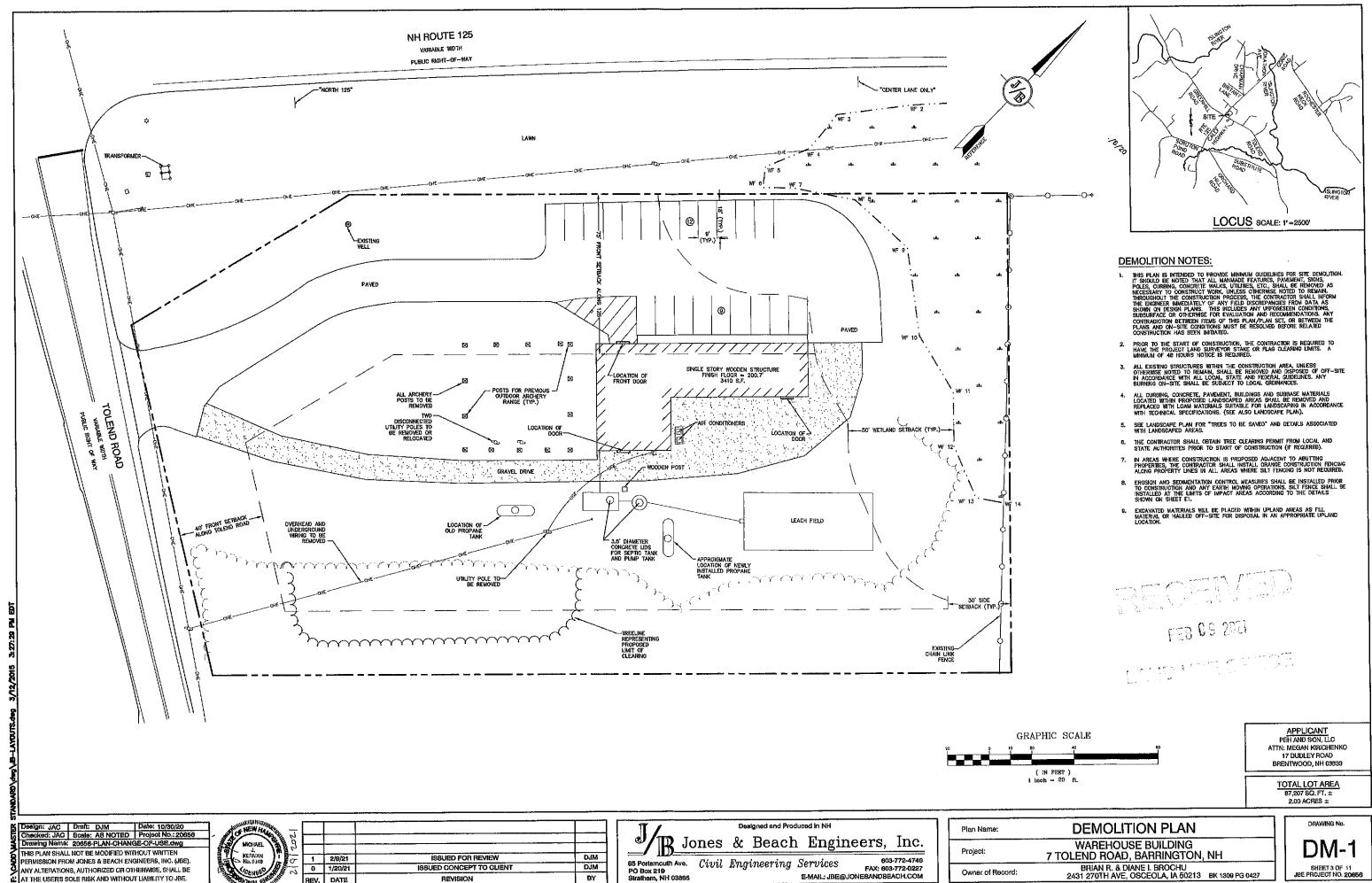
SHEET LOF 11





PO Box 219 Stratham, NH 03885

E-MAIL: JBE@JONESANDBEACH.COM



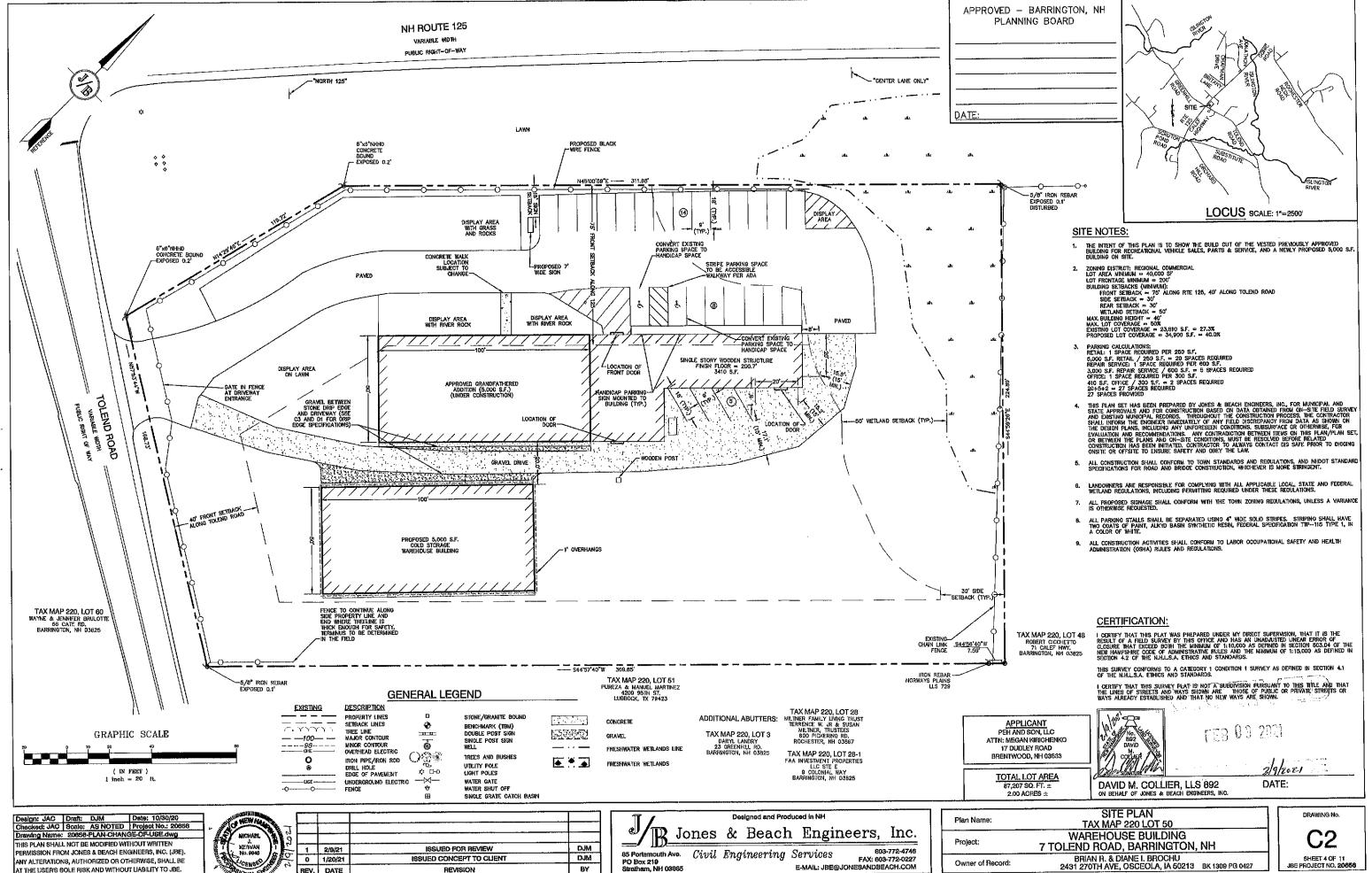
E-MAIL: JBE@JONESANDBEACH.COM

BY

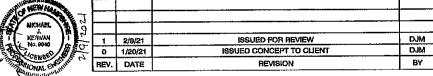
REVISION

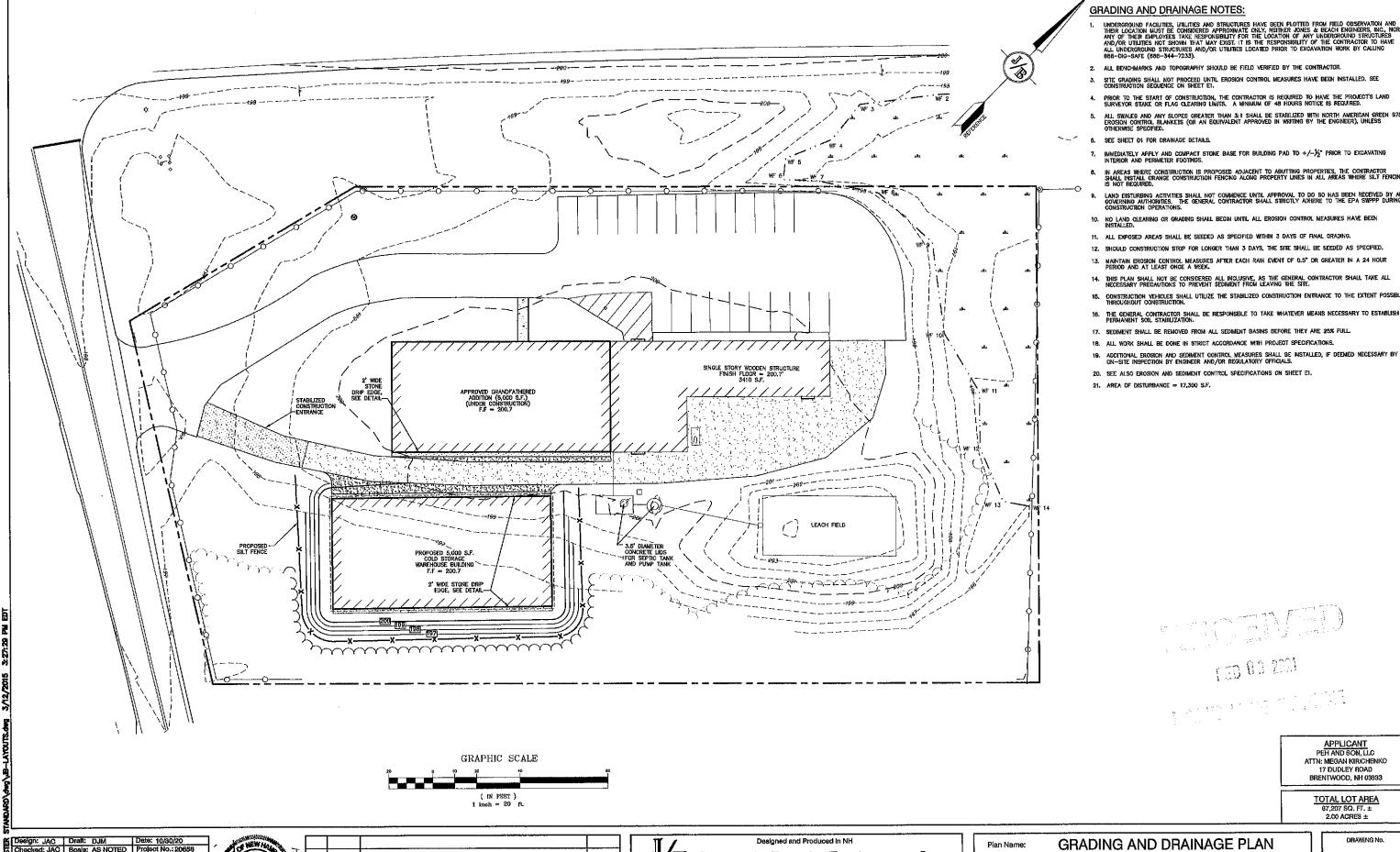
AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.

SHEET 3 OF 11 JBE PROJECT NO. 20656



AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.

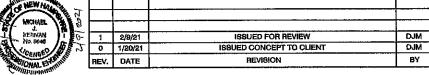




PO Box 219 Strathern, NH 03865

Design: JAC Draft: DJM Date: 10/30/20
Checked: JAC Scale: AS NOTED Project No.: 20658
Drawling Name: 20658-PLAN-CHANGE-OF-USE.dwg
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITHOUT LIBE.

ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE
AT THE USER'S SOLE RIGK AND WITHOUT LIABILITY TO JBE.



Jones & Beach Engineers, Inc.

B5 Portsmouth Ave. Civil Engineering Services

FAX: 609-772-4748

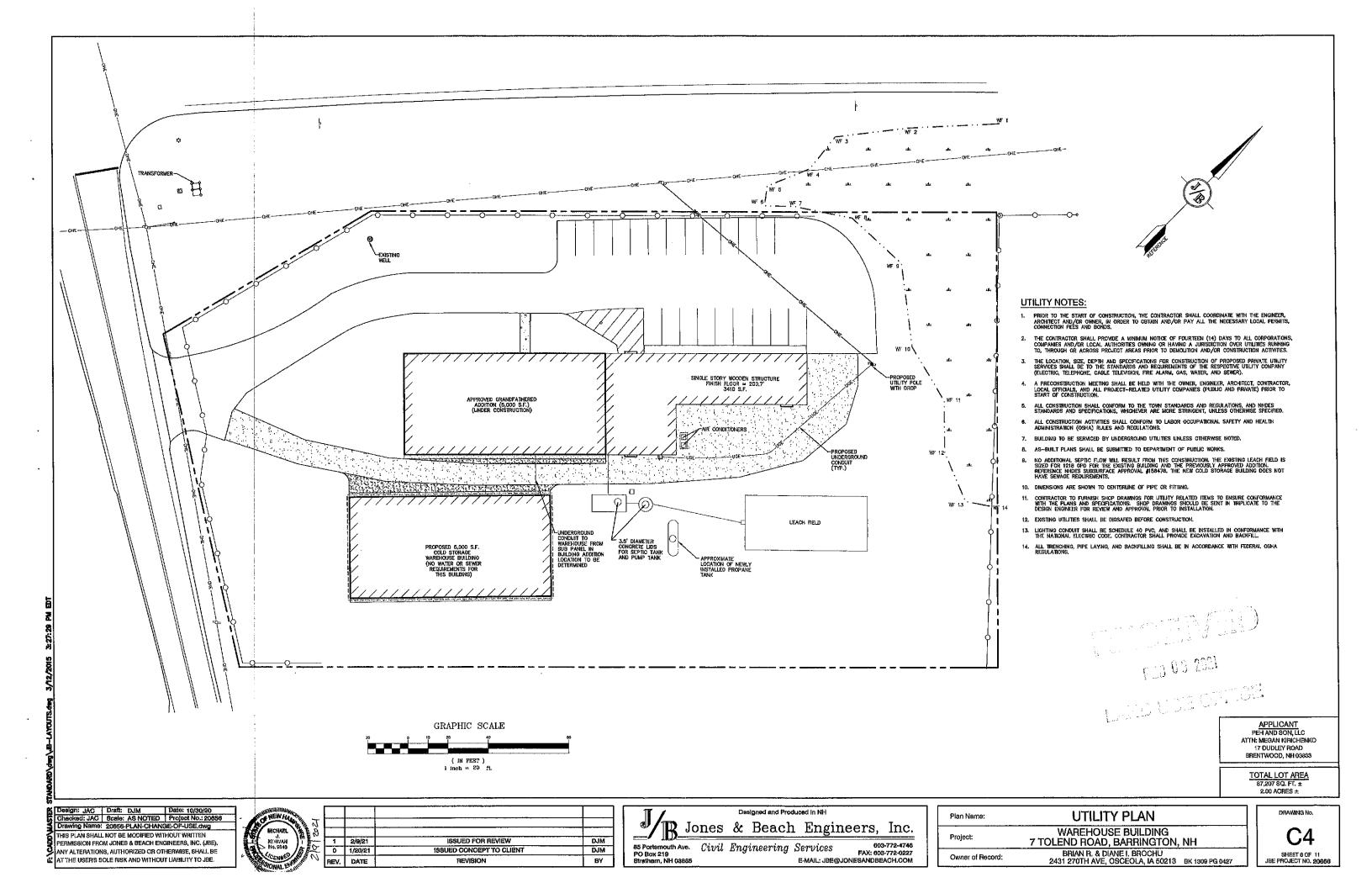
FAX: 609-772-4740

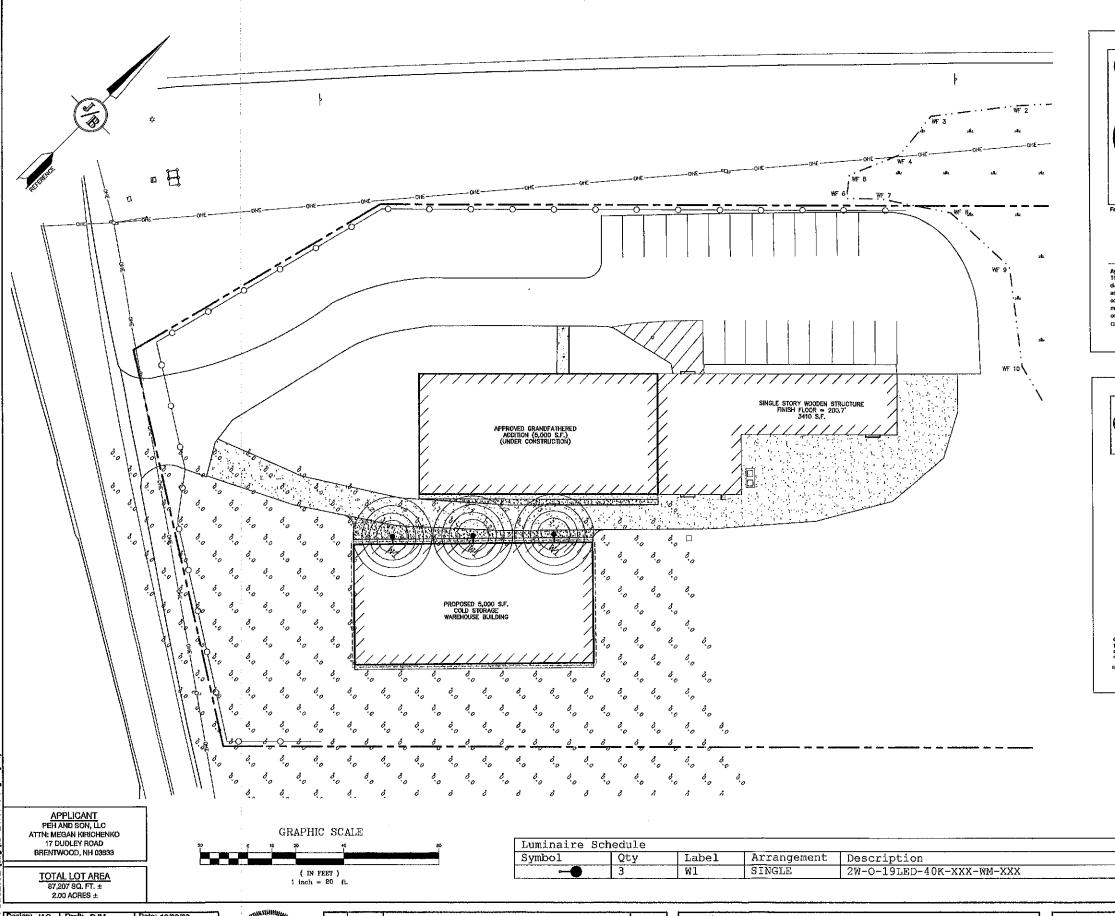
FAX: 609-77

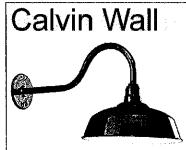
FAX: 608-772-0227 E-MAIL: JBE@JONESANDBEACH.COM

i	Plan Name:	GRADING AND DRAINAGE PLAN
	Project:	WAREHOUSE BUILDING 7 TOLEND ROAD, BARRINGTON, NH
	Owner of Record:	BRIAN R. & DIANE I. BROCHU 2431 270TH AVE, OSCEOLA, IA 50213 BK 1309 PG 0427

C3
SHEET 5 OF 11
JBE PROJECT NO. 20656







- Precical and sesibetic options for epolication and design flexibility
- · Weatherproof construction to withstand the elementa

efficiency and reduced lighting posts

Applications

The Calvin wall-mount luminaire is ideal for illuminating The Cahin well-rount humanic is feed for filturinality stoses where localized distribution is necessary, such as doneways end entrances, henceway, relions and could provide adequate night time security lighting. It lands itself to commercial, and industrial applications that could benefit from materials and materiary control endoubles. Celvin could either augment the exteting lighting, or libratinate a small to medium-sized area.

TMSLIGHTING

High grade spun aluminum, brushed solid copper, or brushed 316t, stainless steel reflector, with stainless steel mounting hardware, for indoor and outdoor applications.

Longo Operation with Clase ™ LED (10W max.), compact fluorescent (42W max.), mital-halide (100W max.), or incandescent (160W max.). Specily 3000€, 5500€ or 4000€ COT for LED systems. A dimensible, screw-type, 17W LED lamp is also available (PAR SB, E25 base, 120V, 4000€ CCT).

years on, E20 page, 1207, 450/R CCT].

Note: LED syntems are wislable but 1202/TV supply valuage only.

LED produces do not require a codest, and are wired directly to the lategrat driver,

Incredescent and metal halide systems, and shope using the 17W LED PAR 38 (any,

use a median base occles (E20).

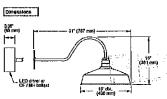
Diffusar Other cere and prismallo, elongaled, plass globos are evallable. Lens: the clear, flut long provides slight, diffusion, and protects located in the reflector. Note: GS is used with 100H, 32CF, and 154.ED max. Only plannable piches are compatible with 1ED systems.

-®-- **®**- **C** € IP23



Calvin Wall





FEB 00 2021

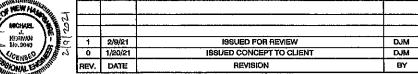
LIGHTING AND ELECTRICAL NOTES:

- 3. ILLUMINATION READINGS SHOWN ARE BASED ON A TOTAL LLF OF 0.75 AT GRADE. ILLUMINATION READINGS SHOWN ARE IN UNITS OF FOOT-CANDLES.
- Ughting calculations shown are not a substitute for independent engineering analysis of lighting system and safety.
- ALL LIGHTING FIXTURES SHALL BE FULL CUT-OFF DARK-SKY COMPLIANT, UNLESS OTHERWISE NOTED.
- 6. THE PROPOSED LIGHTING CALCULATIONS AND DESIGN WAS PERFORMED BY CHARRON, INC., P.O. BOX 4550, MANCHESTIER, NH 03108, ATTENTION KEN SWEEDEY, ALL LIGHTS SHOULD BE PURCHASED FROM THIS COMPANY OR ONE OF THEIR SUPPLIERS, OR AM EQUAL LIGHTING DESIGN SHOULD BE SUBMITTED FOR REVIEW IF EQUAL SUBSTITUTIONS ARE PROPOSED BY THE CONTRACTOR OR OWNER.

esign: JAC | Dreft: DJM | Date: 10/30/20 necked: JAC | Scale: AS NOTED | Project No.: 20656 rawing Name: 20656-PLAN-CHANGE-OF-USE,dwg THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE).

ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE

& AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.



Designed and Produced in NH Jones & Beach Engineers, Inc.

85 Portamouth Ave. Civil Engineering Services FAX: 608-772-0227 E-MAIL: JBE@JONESANDBEACH.COM PO Box 219 Stratham, NH 03985

Plan Name:

LIGHTING PLAN

WAREHOUSE BUILDING Project: 7 TOLEND ROAD, BARRINGTON, NH

BRIAN R. & DIANE I. BROCHU 2431 270TH AVE, OSCEOLA, IA 50213 BK 1309 PG 0427 Owner of Record:

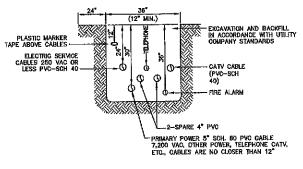
DRAWING No.

SHEET 7 OF 11 JBE PROJECT NO. 20856

-BUILDING MOUNTED SIGN WITH ACCESSIBILITY SYMBOL AND 'VAN ACCESSIBLE' SIGN BELOW (TYP.) NATIONAL STANDARD ACCESSIBILITY SYMBOL PAINTED ON PAVEMENT WHITE FIGURE ON BLUE BACKGROUND -4" PAINTED STRIPING 1'-6" O.C. AT 45' IN FRONT OF RAMP (YELLOW REFLECTIVE) PAVEMENT MAXIMUM SLOPE 2% IN ALL DIRECTIONS. 96" MIN. PER 60" MIN. 96" MIN. PER AD.A. OR PER DOCAL CODE OR AS SHOWN LOCAL CODE

HANDICAP PARKING LAYOUT

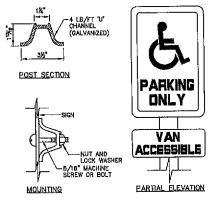
NOT TO SCALE



NOTE: ALL UTILITIES SHALL BE REVIEWED AND APPROVED BY APPROPRIATE UTILITY COMPANY.

UTILITY TRENCH

NOT TO SCALE



HANDICAP SIGN DETAILS

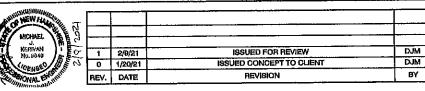
NOT TO SCALE

DETAIL SHEET Plan Name: WAREHOUSE BUILDING Project: 7 TOLEND ROAD, BARRINGTON, NH BRIAN R. & DIANE I. BROCHU 2431 270TH AVE, OSCEOLA, IA 60213 BK 1308 PG 0427 Owner of Record:

DRAWING No. **D1** SHEET 6 OF 11 JBE PROJECT NO. 20656

EXPANSION JOINT SEALANT (WHEN REQ'D)

Deelgn: JAC Dreft: DJM Date: 10/30/20
Checked: JAC Scale: AS NOTED Project No.: 20666
Drawing Name: 20856-PLAN-CHANGE-OF-USE.dwg THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE), ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.



Designed and Produced in NH

11 /		Dog Burn and Lion		
B 10	ones	& Beach	Engineers,	Inc.
Portsmouth Ave. D Box 219		Engineering	Services 600	3-772-4746 3-772-0227
J DOX 2.18			F-MAIL: JRE@JONESANDBE	ACH.COM

MARKER CABLES OMPANY STANDARDS ASSOCIATION AND BACKFILL IN ACCORDANCE WITH UTILITY COMPANY STANDARDS CATV CABLE (PVC-SCH 40) ASSOCIATION AND BACKFILL IN ACCORDANCE WITH UTILITY COMPANY STANDARDS FIG. SERVICE (PVC-SCH 40) ASSOCIATION AND BACKFILL IN ACCORDANCE WITH UTILITY COMPANY STANDARDS	1½" -4 LB/FT 'U' CHANNEL (GALVANIZED) 3½" POST SECTION	PARK
₩	SIGN	

AMOCO 2016 GEOTEXTILE ON BOTTOM AND SIDES OF OPEN-GRADED BASE

NOT TO SCALE

DRIP EDGE INFILTRATION DETAIL

4" CONCRETE N.H.D.O.T. ITEM 304.2 8" BANK RUN GRAVEL MIN.

FEB 09 2021

N.H.D.O.T. ITEM 304.3 6" CRUSHED GRAVEL 95% COMPACTION (MIN) N.H.D.O.T. ITEM 304.2 12" BANK RUN GRAVEL MIN. OR AS REQUIRED TO STABILIZE 95% COMPACTION (MIN)

NOTE: IN AREAS OF ROCK EXCAVATION, MINIMUM 9" BANK RUN GRAVEL SHALL BE PLACED

GRAVEL SECTION

NOT TO SCALE

NOTES:

CONCRETE TO BE 4000 PSI.

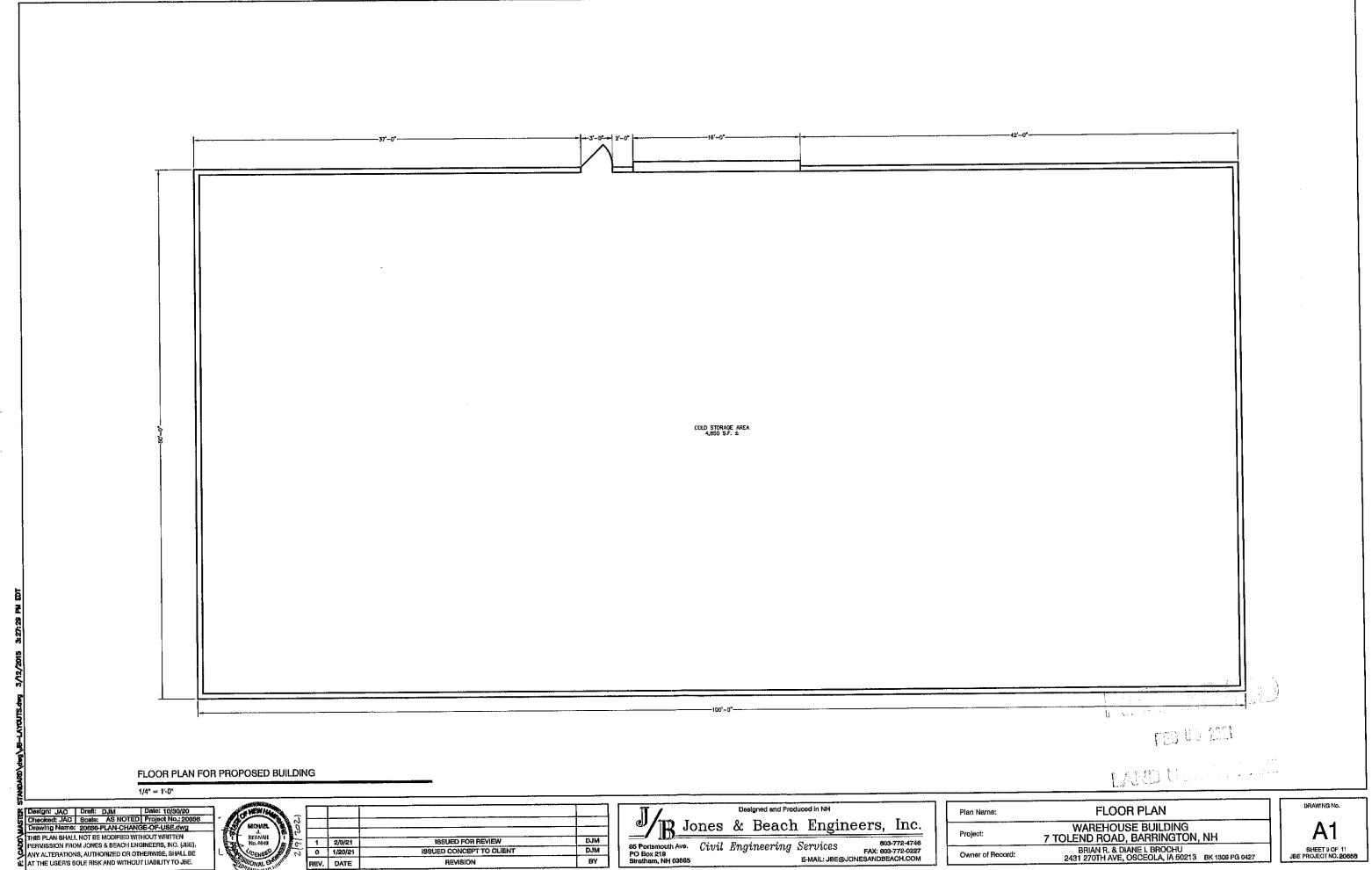
CONTRACTION JOINTS SPACE TO BE EQUAL TO SIDEWALK WIDTH.

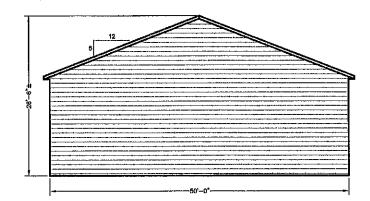
ALL JOINTS SEALED PER SPECIFICATIONS.

PROVIDE A 1/2" NON-EXTRUDING EXPANSION JOINT AGAINST STRUCTURE AND EVERY 18" ALONG SIDEWALK.

CONCRETE WALKWAY

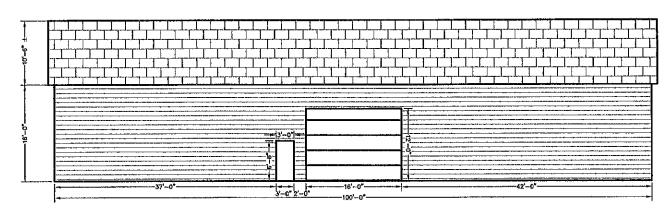
NOT TO SCALE





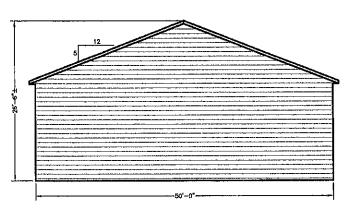
SOUTHWEST ELEVATION

 $1/8^a = 1'-0$



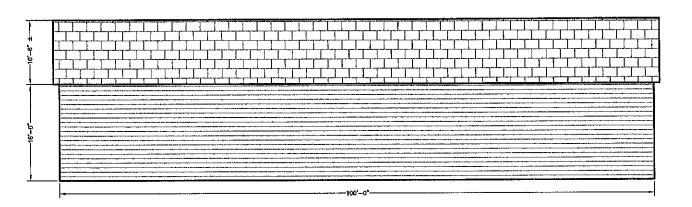
NORTHWEST ELEVATION

1/8" = 1'-0"



NORTHEAST ELEVATION

1/8" = 1'-0"



SOUTHEAST ELEVATION

1/8" = 1'-0"

113 00 2021

Design: JAC Draft: DJM Date: 10/30/20
Checked: JAC Scale: AS NOTED Project No.: 20656
Drawing Name: 20656-PLAN-CHANGE-OF-USE.dwg
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN
PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE).
ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE
AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.



_ [_				
	4			_
;	7	2/9/21	ISSUED FOR REVIEW	DJM
~ 1 (,	1/20/21	ISSUED CONCEPT TO CLIENT	DJM
N RE	v.	DATE	REVISION	BY



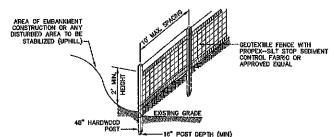
Plan Name:	ARCHITECTURAL ELEVATIONS
Project:	WAREHOUSE BUILDING 7 TOLEND ROAD, BARRINGTON, NH
Owner of Record:	BRIAN R. & DIANE I. BROCHU

DRAWING No.

A2
SHEET 10 OF 11
JBE PROJECT NO. 20856

- TEMPORARY EROSION CONTROL NOTES

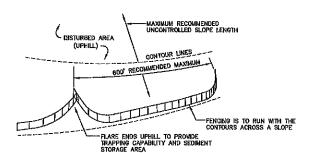
 1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME, AT NO TIME SHALL AN AREA IN EXCESS OF 5 ACRES BE EXPOSED AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED.
- EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
- ALL DISTURBED AREAS (INCLUDING POND AREAS BELOW THE PROPOSED WATERLINE) SHALL BE RETURNED TO PROPOSED GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 8" OF SCREENED ORGANIC LOAM AND SEEDED WITH SEED MIXTURE" O' AT A RATE NOT LESS THAN 1.10 POUNDS OF SEED PER 1.000 S.F. OF AREA (48 LBS. / AGRE).
- SILT FENCES AND OTHER BARRIERS SHALL BE INSPECTED EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 0.6" OR GREATER. ALL DAMAGED AREAS SHALL BE REPAIRED, AND SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
- AREAS MUST BE SEEDED AND MULCHED OR OTHERWISE PERMAMENTLY STABILIZED WITHIN 3 DAYS OF FINAL GRADING, OR TEMPORARILY STABILIZED WITHIN 14 DAYS OF THE INITIAL DISTURBANCE OF SOIL ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.
- ALL PROPOSEO VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING NORTH AMERICAN GREEN 575 ERCISION CONTROL BLANKETS (OR AN EQUIVALENT APPROVED IN WRITING BY THE ENGINEER) ON SLOPES GREATER THAN 31, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTHING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTHING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VECETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORABILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
- AFTER OCTOBER 16th, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3° OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.
- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED
 - a, BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED
 - b, a minimum of 85% vegetated growth has been established
 - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH STONE OR RIPRAP HAS BEEN INSTALLED; OR
 - d, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- Fugitive dust control is required to be controlled in accordance with env—a 1000, and the project is to meet The requirements and intent of RSA 430:63 and AGR 3800 relative to invasive species,
- PRIOR TO CONSTRUCTION, A PHASING PLAN THAT DELINEATES EACH PHASE OF THE PROJECT SHALL BE SUBMITTED, ALL TEMPORARY SEDIMENT BASINS THAT WILL BE NEEDED FOR DEWATERING WORK AREAS SHALL BE LOCATED AND IDENTIFIED ON THIS PLAN.



CONSTRUCTION SPECIFICATIONS:

- , woven fabric fence to be fastened securely to fence posts with wire ties or staples. Filter cloth shall be fastened to woven wire every 24" at top, MID and Bottom and Embedded in the ground a minimum of 6" and then covered with soil.
- THE FENCE POSTS SHALL BE A MINIMUM OF 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 18" INTO THE GROUND.
- . WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED 6", FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY—PASSING.
- , maintenance shall be performed as needed and sediment removed and properly disposed of when it is 6" deep or visible "bulges" develop in the silt fence.
- 5. PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.

SILT FENCE



7. SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND REVEGETATED.

- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE DONE IMMEDIATELY,
- IF THE FABRIC ON A SILY FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
- 4. SECIMENT DEPOSITS THAT ARE REMOVED, OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED, SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SEEDING SPECIFICATIONS

- 1. Grading and Shaping.

 A. Slopes Shall not be steeper than 2:1 without appropriate erosion control measures as specified on the plans (3:1 slopes or flatter are preferred).

 B. Where Mowing will be done, 3:1 slopes or flatter are recommended.

- 2. SEEDBED PREPARATION

 A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING
- A. SUPPRICE AND SELPTAGE WALEN SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE FLANTS.

 B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFFER WINTERSEANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEEDBED AND FERTILIZER AND LIME MIXED INTO THE SOIL. THE SECORED SHOULD BE LEFT IN A REASCONABLY THEM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.

- 3. ESTABLISHING A STAND

 A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. TYPES AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE
 - AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS. PER 1,000 SQ.FT.
 NITROGEN(N), 50 LBS. PER ACRE OR 1.1 LBS. PER 1,000 SQ.FT.
 PHOSPHATE(P205), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ.FT. POTASH(K20), 100 LBS, PER ACRE OR 2.2 LBS, PER 1.000 SQ.FT.
- (NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER AGRE OF 6-10-10.)
 SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS
 INCLUDE BROADCASTING, DRILLING AND HYDROSEEDING, WHERE BROADCASTING IS USED, COVER SEED WITH
 26 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
- C. REPER TO THE SECOND QUIDE AND SERDING RATES' TABLES ON THIS SHEET FOR APPROPRIATE SEED MIXTURES AND RATES OF SECOND, ALL LEGIUMES (OROMINETCH, BINDSFOOT, TREFOIL AND FLATPEA) MUST BE INCOLLATED WITH THEIR SPECIFIC INCOLLANT PRIOR TO THEIR INTRODUCTION TO THE SITE.

 D. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO MAY 20th OR FROM AUGUST TOOLS FROM EARLY SPRING TO MAY 20th OR FROM AUGUST TOOLS SETEMBER 1st.

4. MULCH.
A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
B. MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE
FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 80 LBS PER 1000 S.F.

- 5. MAINTENANCE TO ESTABLISH A STAND.
 A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED
- BROWTH.

 BY FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED.

 C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTIGIPATED, ANNUAL
- MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION,

USE	SEEDING MIXTURE 1/	DROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A B C	FAIR POOR POOR	G000 G000	GOOD FAIR EXCELLENT	FAIR FAIR GOOD
	D	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER.	Y A	GOOD GOOD	GOOD EXCELLENT	GOOD EXCELLENT	FAIR FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES.	Å B C	GOOD GOOD GOOD	GOOD GOOD EXCELLENT	GOOD FAIR EXCELLENT	FAIR POOR FAIR
PLAY AREAS AND ATHLETIC FIELDS. (TOPSOIL IS ESSENTIAL FOR GOOD TURF.)	E F	FAIR FAIR	EXCELLENT	EXCELLENT	2/ 2/

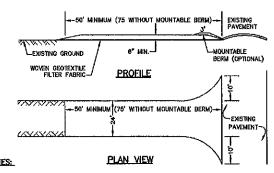
1/ REFER TO SEEDING MIXTURES AND RATES IN TABLE BELOW,
27 POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.

NOTE: TEMPORARY SEED MIX FOR STABILIZATION OF TURF SHALL BE WINTER RYE OR OATS AT A RATE OF 2.5 LBS, PER 1000 S.F. AND SHALL BE PLACED PRIOR TO OCTOBER 16th, IF PERMANENT SEEDING NOT YET COMPLETE.

SEEDING GUIDE

	MIXTURE.	POUNDS PER ACRE	POUNDS PER 1.000 Sq. Ft
	A. TALL FESCUE CREEPING RED FESCUE RED TOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
	B. TALL FESCUE CREEPING RED FESCUE CROWN VETCH OR	15 10 15	0.35 0.25 0.35
	FLAT PEA TOTAL	30 40 OR 55	0.75 0.95 QR 1.35
*	C. TALL FESCUE CREEPING REG FESCUE BIRDS FOOT TREFOIL TOTAL	20 20 <u>8</u> 48	0.45 0.45 <u>0.20</u> 1.10
	D. TALL FESCUE FLAT PEA TOTAL	20 30 50	0.45 0.75 1.20
	E. CREEPING RED FESCUE 1/ KENTUCKY BLUEGRASS 1/ TOTAL	50 50 100	1.15 1.15 2.30
	F. TALL FESCUE 1	150	3.60
	1/ FOR HEAVY USE ATHLETIC FIELD NEW HAMPSHIRE COOPERATIVE EXTE CURRENT VARIETIES AND SEEDING R	INSION TURF SPE	

SEEDING RATES



- 1. SYONE FOR STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- 2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, 75' WITHOUT A MOUNTABLE BERM, AND EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH

- MOUNTABLE BERM, AND EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 36 FOOT MINIMUM LENGTH WOULD APPLY.

 3. THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN A INCHES,

 4. THE WON'N OF THE CHINKANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR GERESS OCCURS, OR 10 FEET, WHICHEVER IS GREATER.

 5. GEOTEXTILE FILTER FABRIC SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE, FILTER FABRIC IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENTIAL LOT,

 6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A STONE BERM WITH ST SLOPES THAT CAN BE CROSSED BY WEHICLES MAY BE SUBSTITUTE FOR THE PIPE.

 7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT—OF—WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP REMOVED PROMPTLY.

STABILIZED CONSTRUCTION ENTRANCE....

NOT TO SCALE

Harman San Comment

CONSTRUCTION SEQUENCE

- PRIOR TO THE START OF ANY ACTIVITY, IT IS THE RESPONSIBILITY OF THE SITE'S SITE DEVELOPER (OR OWNER) TO FILE A NOTICE OF INTENT (NOI) FORM WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA) IN ORDER TO GAIN COVERAGE UNDER THE INDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. A PRE CONSTRUCTION MEETING IS TO BE HELD WITH ALL DEPARTMENT HEADS PRIOR TO THE START OF CONSTRUCTION.
- 2. WETLAND BOUNDARIES ARE TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION. AT LEAST A TEMPORARY CULVERT OR ROADBED TO BE IN PLACE PRIOR TO THE START OF CONSTRUCTION.
- 3. CUT AND REMOVE TREES IN CONSTRUCTION AREA AS REQUIRED OR DIRECTED.
- 4. INSTALL SILT FENGING, HAY BALES AND CONSTRUCTION ENTRANCES PRIOR TO THE START OF CONSTRUCTION. THESE ARE TO BE MAINTAINED UNTIL THE FINAL PAVEMENT SURFACING AND LANDSCAPING AREAS ARE ESTABLISHED.
- 5. CLEAR, CUT, GRUB AND DISPOSE OF DEBRIS IN APPROVED FACILITIES. THIS INCLUDES ANY REQUIRED DEMOLITION OF EXISTING STRUCTURES, UTILITIES, ETC.
- CONSTRUCT AND/OR INSTALL TEMPORARY SEDIMENT AND/OR DETENTION BASIN(S) AS REQUIRED. THESE FACILITIES SHALL BE INSTALLED AND STABILIZED PRIOR TO DIRECTING RUN-OFF TO THEM.
- STRIP LOAM AND PAVEMENT, OR RECLAIM EXISTING PAVEMENT WITHIN LIMITS OF WORK PER THE RECOMMENDATIONS OF THE PROJECT ENGINEER AND STOCKPILE EXCESS MATERIAL STABILIZE STOCKPILE AS NECESSARY.
- 8. PERFORM PRELIMINARY SITE GRADING IN ACCORDANCE WITH THE PLANS,
- 9. PREPARE BUILDING PAD(S) TO ENABLE BUILDING CONSTRUCTION TO BEGIN.
- 10. INSTALL THE SEWER AND ORAINAGE SYSTEMS FIRST, THEN ANY OTHER UTILITIES IN ACCORDANCE WITH THE PLAN AND DETAILS. ANY CONFLICTS BETWEEN UTILITIES ARE TO BE RESOLVED WITH THE INVOLVEMENT AND APPROVAL OF THE ENGINEER.
- 11. ALL SWALES AND ORAINAGE STRUCTURES ARE TO BE CONSTRUCTED AND STABILIZED PRIOR TO HAVING RUN-OFF DIRECTED TO THEN
- 12. DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINAGE DITCHES, CHECK DAMS, SEDIMENT TRAPS, ETC., TO PREVENT EROSION ON THE SITE AND PREVENT ANY SILTATION OF ABUTTING WATERS AND/OR PROPERTY.
- 14. FAVE ALL PARKING LOTS AND ROADWAYS WITH INITIAL BASE COURSE!
- 15. PERFORM ALL REMAINING SITE CONSTRUCTION (Lo. BUILDING, UTILITY CONNECTIONS, ETC.).
- LOAM AND SEED ALL DISTURBED AREAS AND INSTALL ANY REQUIRED SEDIMENT AND EROSION CONTROL FACILITIES (i.e. RIP RAP, EROSION CONTROL BLANKETS, ETC.).
- 17. FINISH PAVING ALL ROADWAYS AND PARKING AREAS WITH 'FINISH' COURSE
- 18. ALL ROADWAYS AND PARKING LOTS SHALL, BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- 19. ALL CUT AND FILL SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE,
- 20. COMPLETE PERMANENT SEEDING AND LANDSCAPING
- 21. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE BEEN 75%-85% ESTABLISHED AND SITE IMPROVEMENTS ARE COMPLETE. SMOOTH AND RE--VEGETATE ALL DISTURBED AREAS.
- 22. CLEAN SITE AND ALL DRAINAGE STRUCTURES OF ALL SILT AND DEBRI
- 23. INSTALL ALL PAINTED PAVEMENT MARKINGS AND SIGNAGE PER THE PLANS AND DETAILS.
- 24. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY HALF-INCH OF RAINFALL.
- 26. UPON COMPLETION OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ANY RELEVANT PERMITTING AGENCIES THAT THE CONSTRUCTION HAS BEEN FINISHED IN A SATISFACTORY MANNER.

1 /			signed and Prod			
B Jo	nes	&	Beach	Engin	eers,	Inc.
85 Portsmouth Ave. PO Box 219	Civil	Eng	ineering	Services		-772-4746 -772-0227
Stratham, NH 03865				E-MAIL: JBE@J	ONESANDBE	ACH.COM

Plan Name:	EROSION AND SEDIMENT CONTROL DETAILS
Projects	WAREHOUSE BUILDING

7 TOLEND ROAD, BARRINGTON, NH BRIAN R. & DIANE I. BROCHU 2431 270TH AVE, OSCEOLA, IA 50213 BK 1909 PG 0427

SHEET 11 OF 11 JBE PROJECT NO. 20656

DRAWING No

Design: JAC Draft: DJM Date: 10/30/20 Checked: JAC Scale: AS NOTED Project No.: 20658 Drawing Name: 20668-PLAN-CHANGE-OF-USE dwg PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE). ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.



2/9/21 ISSUED FOR REVIEW DJM 1/20/21 ISSUED CONCEPT TO CLIEN DJM REV. DATE BY